

THIS MONTH WE  
SALUTE ALL FIELD  
DAY PARTICIPANTS.  
SCORES?

W4BRB  
W4BRB  
W4BRB  
W4BRB  
W4BRB

# FLORIDA skip

VOLUME 15 NO. 3

THE ALL-FLORIDA RADIO AMATEUR'S PUBLICATION

AUGUST / 1971

Price 20c

## SET SCORES IN QST

Recently a complete listing of the nations Simulated Emergency Test (SET) scores were printed in QST. E. Fla. ranked again second in the Nation. W. Fla. was 19th up from 42nd place last year. E. Fla. county highs were: 1st, Broward, WB4CKY EC, 726 points; 2nd, Polk, WA4WZZ EC, 471 points; Dade, WB4CBP EC, 454 points; Orange, W4BKC EC, 323 points and Hillsboro, W4BNE EC, 309 points. W. Fla.: Escambia, WB4JCV EC, 133 and Franklin, K4BDY EC 27.

In Sections net reports, QFN ranked 5th with 2693 points and WFPN 17th with 1432 points. All scores are UP from last year. Congratulations to all hands.

In January (probably last week-end) 1972 we will conduct another SET. Let's try just a little harder to become number one in the nation. It may hurt a little but the effort will be worth it. . . . AC

## FIELD DAY SCORES

Where did all the flowers go? And where did all the Field Day scores go? We know for a fact the following participated in FD: W4NN, WB4VCZ, W4RYZ, WB4GTY, W4UC, W4ECY and W4JJ all of W. Fla. but no scores submitted.

In E. Fla. W4EHW, K4KQ, W4TJM, W4HAW, W4NGR and many others — BUT no scores. Thus far received: W4LX-4 Ft. Myers ARC, 1 rig, ssb, 542 contacts for 1,284 points. Non-Club K4KE-4, St. Pete, 1 rig, SSB-CW 1955 contacts with a 2139 point claimed score. — Come on you guys — GIVE Editor.

## CB'ers Plan To Fight Back

(The following from the Gold Coast Radio CB Club was submitted by W4BRB of West Palm Beach. It is unedited, ED)

The word is out. C-Bers' will not be allowed to obtain their call letters on their State Automobile tags. Due to some amateur radio operators' who seem to think that we are not entitled to have them. This to me is ridiculous. We are more able to handle local communications than they are and in case of disaster such as a hurricane, plane crash, or someone lost in the woods, there are many more of us than them. Now I have quite a few friends that are ham operators. I just don't understand why they are so against C-Bers'. I realize their distant communications are of the utmost importance in case of a great disaster and I appreciate their usefulness.

So it is most important that all C-Bers' write to your legislators and senators asking for this privilege after all there is a lot of revenue to be derived from the sale of these tags at \$1.00

more than the normal cost of the license tags. Therefore lets don't be tramped on. Get those cards and letters off to

Tallahassee now. Hams' can be cured.

L. W. McGehe  
KBK-7649 Pres.

## EX-CALLS

We are still receiving EX-Calls. Have you sent in yours? Editor.

K4QL ex WB4TXJ, KP4LA, W4LA, KV4AL, VP4TAF, NY4AD, W2FK, 8DDL.

WA4DHS ex W2IRY

K4CAK ex W8JKG

W3GMG ex W4FJE

K4DQW ex W2CQK

WB4JQH ex W6CMI

K4EFX ex W2FWC

W4ZVV ex W8EBJ

W4SRG ex W1HBL

K4EK ex W8FV, W2FR, W7MQ



WAYNE COOPER, K4ZZV, of Miami Shores works on his delta-loop which appeared in Jan. 69 QST. Wayne checks the Gamma match with a modified bridge he described in QST several years ago. He used a half inch Andrews Coaxial line for the Gamma rod and condenser. It's an all-weather unit and can take the voltage. Extended, it is up 65 feet. For details drop K4ZZV a line at 9302 NW 2nd Pl., Miami Shores, FL 33150.

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8



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Deadline — 10th of month in Box 501, Miami Springs, Fla. 33166.

Any item in FLORIDA SKIP may be reprinted in any other amateur radio publication in the world with a credit line.  
—Editor

QM, Nominate your XYL for our Skip Dear Mable Award. A most unusual award. Free to members. Give her full name, your call and mailing address. Editor.

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Deltona, W4YPA, Deltona  
Tampa Repeater Assn., K4MZZL, Tampa  
Photographer — W4HKB  
(West Florida)  
So. Miami, WB4JFA  
Gulfstream SARO, WB4CDL, W.P.B.

## Names for 1971 Hurricanes

Arlene	Kristy
Beth	Laura
Chloe	Margo
Dora	Nona
Edith	Orchid
Fern	Portia
Ginger	Rachel
Heidi	Sandra
Irene	Teresa
Janice	Verna

## SILENT KEYS

We are deeply sorry to report the passing of the following Florida amateurs.  
W4DRC, Harold Alfred, Ft. Lauderdale.  
K4FC, Roger Spicer, Leesburg.  
W4ZL, Harold J. Burhop, Port Charlotte  
W4LZI, Frances N. Waples, Deland  
WA4VYQ, Alfred R. Weismantel, Largo



# Letters To Editor

Editor:

Please make some kind of arrangement for continuation of subscription for those of us who travel a great deal. We don't want to miss any issues of SKIP. In the past I had used 3 year subscriptions.

I left home June 30 and just happened to come by to check the mail today before leaving for Florida and then on to Netherlands, Belgium, France, Germany, England, Rumania, Italy, India, Japan, etc. Finally to return Sept. 15th. If I hadn't come in today I would have lost my contact with Florida. Two years from September I hope to return for good when I retire. In the meantime SKIP tells me what goes on in the Florida "ham world" while I am trotting around the world. It has become an annual affair. I do meet hams the world over and that makes some stops enjoyable. See you in 1973.

73

Charlie Chapman W4SVB  
Bloomfield, N.J.

Editors Note: What do you suggest? What does QST CQ and others do in such cases? Van Voorge.)

This will confirm our offer to give Extra, Advanced, and General Class examinations on October 16, 1971, at our office. We will take the Extra class at 8:30 AM, and the General and Advanced at 9 AM. Please advise us of the approximate number of applicants wishing to take the examinations.

We will appreciate copies of any articles appearing in FLORIDA SKIP for our records.

Sincerely,

John L. Theimer  
738 Federal Bldg.  
500 Zack St.  
Tampa, FL

Editor:

To my loving little xyl, so deliberately disgusted about my never ceasing en-

thusiasm of ham activities, I humbly want to nominate your award. I hope it will remind me of all the nightmares, literally that is, she's gone through without nagging too loudly.

And let's hope your award makes her happy and that she thinks over the sad fact of the existence of about half a million women having the same fatal marriage of a not ham.

Yours sincerely,

GR3IP, Kari Salonen  
Puholaajankatu 3  
Pithamaki, Finland

Editor:

Our Membership has now grown to 33, all of whom wish to nominate ROSE KOPP, XYL, of Ken Kopp, WA4HAA, for a Dear Mabel Award. Our Repeater is now back on the Air (WB4HAE), after 3 weeks of extensive modifications and up-dating of equipment.

The work was all carried out in Ken's garage 5 nights a week and weekends, too. Rose provided all the workers with tea, coffee, pumpkin bread, cookies, some full meals, first aid (band-aids), consolation to XYL's of other husbands involved and never complained.

For 5 weeks, her home was "Invaded" and Rose, in her own way, helped everyone concerned to accomplish their tasks. The night, or rather morning (3:00 A.M.) that the Repeater was readied for testing as a complete system, she stayed up and cooked ham and eggs, biscuits and gravy, and a wondrous pot of coffee to celebrate the occasion.

We, of the Tampa Bay Repeater Association want to express our thanks in part to her, by this nomination. 73.

Jack Howell, K4AJM  
TBHA, Tampa, FL

Dear Editor:

Broward Community College Radio Club

(Continued on Page 15)

## GUEST EDITORIAL DO YOU DESERVE THE PRIVILEGE? by Gene Burton, WA4YNW

To use the amateur bands is a privilege. In exchange for this privilege, what is expected of you? What have you done to deserve this privilege?

Hams should be reasonably well read and informed. They should use good operating procedures and be a good example. A good ham knows the rules and operates in their framework. Do you read QST, CQ, Florida Skip, etc.?

Hams are courteous and tolerant. They recognize CW, AM, FM, SSB, & RTTY. Any one ham may not use all of these modes, but he recognizes the value and place each one plays in Amateur Radio.

Hams recognize and respect the interests of his fellow hams. DX, county hunting, and all kinds of certificate hunting are a real part of our hobby, as is rag chewing. Do you low rate and condemn any of these areas?

Hams help other hams. How long has it been since you have encouraged a beginner, helped a novice, participated in a tower raising, or helped some fellow with a rig problem?

Hams recognize the value of organization within their hobby. Are you a member of the ARRL and your local club?

Hams are public service minded. Do you handle traffic and belong to CD? Are you ready for an emergency? Have you helped a local club with some public service activity? Do you have a ham license plate on your car?

Certainly, no one ham is expected to do all of the above. How do you rate? Make out your own list. Next time you fire up the rig, find a hole, and start operating, ask yourself, "Do I deserve the privilege?"

(FROM SLANT BARS)



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## DX — SOCORRO ISLAND

At the March meeting of the Sarasota Amateur Radio Assoc., W2SAW—Addison Ringler gave an account of a dx-pedition, of which he was a member, in 1965 to the Socorro Island, XE5L, special call, was issued by the Commission of Mexico and an old Mexican Navy boat was used to transport them, the radio gear, along with native families, sheep, chickens, etc. As the island is uninhabited, the military sent families over for various periods to protect their interests. It took them 68 hours for the trip as they got lost.

Though scheduled to stay 48 hours, the military ordered them to pack up and evacuate after 26 hours, during which time they made 3200 contacts, with 52 countries. The reason became apparent when a typhoon developed and they bobbed around for 3 days. Chairs, dishes, etc. were broken, sheep washed overboard and all were seasick except the four amateur operators. However, they were glad to reach dry land finally.

W2SAW—Addison is retired from the Eastman Kodak Company, has been licensed 50 years and now operates a DX Stamp Service. He is 4th from the top of DX list, needing only 3 more countries. Promises to bring down some slides for a showing of his travels, next year.

## IMPORTANT MESSAGE

Effective immediately our FLORIDA SKIP yearly subscription rate will be \$2.00 for one year only. We are discontinuing our offer of three (3) years for \$5.00.

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**WINNERS OF THE FLORIDA QSO Party, Multi-Op SSB trophy, WB4EYX and WB4IAE. Seated: W4FDA, whose station was used in Jacksonville. Equipment: Drake line, SB-200 beams up 107 feet. Trophy will be presented at 1972 Hamboree in January. Congratulations gang! 80,717 points is a lot of work!**

## THE FCC AND THE RADIO AMATEUR LICENSE

By Roy Scott, W4UHF

At a recent meeting of HARS (Hillsborough Amateur Radio Society Inc.) in Tampa, Mr. John Theimer of the Tampa FCC Office, offered some very helpful suggestions of special interest to would-be amateurs and those going up for a higher grade of license.

He told us how he and other engineers had been quite busy designing and building a new unit for the FCC which will be of great help and service to them in monitoring, etc.

In talking about the important matter of code tests administered by the FCC to applicants for General and higher grade licenses, he suggested it might be wise for code students to get away from the stereotype tapes which lost their effectiveness after a short while as they are easily memorized. He felt good straight-forward sending at 13 words per minute is to be preferred to code practice prepared by a fast operator who merely lengthens the spaces between characters and words, but the speed of each character might be that of 18 or 20 wpm.

When questioned about the approximate percentage of failure, he stated that a great deal of the failures are due to inadequate preparation, or lack of knowledge of theory.

During the question and answer session, which con-

stituted the major portion of the period, Mr. Theimer stated that all ships still use C.W. and maintain an 8 hour day watch on this mode of communication.

With regard to monitoring, there is about 10 percent monitoring of C.B., but very little monitoring of amateur radio stations by the FCC. This, he pointed out, is due to the fact that hams police themselves and maintain very efficient monitoring equipment. This is largely due to the fact that radio amateurs are proud of their licenses, and treasure them as something special. Deliberate violations are few and far between.

About the future of the ham bands, he said he saw little change because:

## FCC EXAMS

SKIP has been notified that the General, Advanced and Extra Class amateur license exams will be given during the Tampa Hamfest in October. They will be held at the FCC office in the Federal Building. Extra Class will be offered at 8:30 A.M. Saturday, October 16th and the General-Advance at 9 A.M. the same date.

All interested persons who wish to take the exam at that time should write: Robert Schappert, WN4NZJ, HARS Secretary, P.O. Box 8092, Tampa, FL 33604. Good luck!

## ANOTHER PETITION

Another petition potentially affecting our 220 MHz band has been filed with FCC. RM-1761, by Frederick C. Hervey, K4ETZ, would create a new Hobby-Personal Radio Service 220.5-222.0 and 223-224.5 MHz, exams in regulations only to be supervised by FCC licenses. This one differs from RM-1633 and RM-1747 notably in calling for discontinuance of the Class D CB service over a period of time after creation of the new one.

You'll be proud to learn that The Radio Amateur's Handbook received first place for commercial (i.e., no military contract involved) handbooks in a regional competition of the Society of Technical Writers and Publishers in a field of 30 similar books. (There were seven additional categories not in competition with us). The Handbook also becomes an automatic entry in the national competition, but winners will not be announced until some time next spring. The regional awards will be presented at a dinner in Concord, Massachusetts on June 23, 1971.

Perry F. Williams, W1UED  
Senior Assistant Secretary

1. The ham frequencies are by International Treaty Agreement

2. Many other services are going to higher frequencies, thus reducing the demand for amateur frequencies.

An extremely efficient method for monitoring C.B. radio is used, and a fine of \$10,000 and 2 years in prison can be imposed for continued violation after notice is given a violator. There is some effort in Congress to give the Commission forfeiture action in cases of unlicensed operation.

His talk was emphasized by the fact that the FCC is here to help. They want to see every applicant for a radio license pass the tests, and they want to do everything they can for his comfort and convenience, and are glad to assist in every way they can. Another very interesting point that Mr. Theimer brought out is that an applicant for a code test may bring his own key, including "bugs" and electronic keyers should they wish to do so.

His talk was most interesting, and was warmly received and appreciated by HARS members and guests.



## NAVY MARS

By Jim Wilson, NØWCK

The code practice broadcasts previously held on 7380 Khz have been shifted to 4008.5 Khz. These are on Tuesday and Thursday evenings at 8 PM EDT. They are conducted by Jim Smith, NØIWY, of St. Pete sending by tape at various speeds from 7 to 20 wpm. He plans to later offer a nice certificate to anyone who submits perfect copy of a message he will include with his code group practice. He invites any ham or prospective ham to copy the tests and report to him. His address is James C. Smith NØIWY, 5671 11th Ave. North, St. Petersburg, Fla. 33710. Let him know you're listening.

Our traffic nets are in the slack summer season with many members away on vacation. While Bob Greenfield, new Area Coordinator for South Florida is away on a trip, Bill Kibbe NØEXU of Clearwater is doing a fine job of carrying on for him.

Henry Sutkus NØGAJ, Area Coordinator for North Florida reports they have 7 new regular members of whom 3 are already active. In addition, 8 new stations have been established



at Reserve Training Centers and two of these are checking in.

North Florida was well represented at the District Conference in Atlanta recently. Present were Area Coord. NØGAJ, AIL, Bob Lillis of NØNIU, and Henry's son, K4ØOL.

### FLA. DISTRICT 2 MARS

By William Budd, A4WDX  
The old lead boss was outwined to the pasture, having served faithfully and conscientiously as Fla. District No. 2 Director and as an active participant in MARS for 10 these many years.

One of the outstanding attributes of the members of MARS is the whole hearted spirit of co-operation between the individual members, the

Districts and MDA3! Mr. Mulkey can rest assured that in Fla. he will, under our new leadership, receive the fullest co-operation, even as in the past.

To AA4GUE — Ken, it was nice to have been one of your crew, we do appreciate your leadership. To our new Director AD4WVE, Chris; stand by to man the life boats, she's gonna be a rough voyage but the crew under the new skipper will get us thru. (This is Army talk? Ed.)

Our Fla. No. 2 MARS picnic will be held August 15th at Highland Hammock State Park, near Sebring, our Fla. 1 friends are especially invited to attend, and are requested to bring those big loaded picnic baskets.

The July issue of the Mars News Letter contains, on page 13, a copy of a letter written to a Utility Company by the management of A Nudist Camp for Girls, complimenting the Company's employees upon their excellent service. I heartily agree with the employees desire to render such fine service and I am certain that under the same condx our valiant Mars members would also be willing to render the same service, only more so.

## ANTENNA MEASUREMENTS

A lot of radio-type calculations are complicated and we often use measuring equipment that does the calculations for us. Or we use graphs, nomograms, and tables so we only have to do the calculation once. Some calculations are quite simple. I think it was several weeks ago when I remarked about SWR to someone, "SWR ratio is the antenna resistance divided by the line impedance."

If you have a 50-ohm coaxial line feeding an antenna which is loaded up with RF at the frequency for which the antenna is cut and the antenna reflects a 50-ohm resistive load, you've got 1:1 SWR (not possible in this cruel world). If the antenna reflected a 100 ohm load, the SWR would be 2:1 — and so on. If you have an impedance bridge, it can be calibrated very easily to show the antenna impedance and thus serve as an SWR indicator. A bridge is also very good for cutting feedlines to exact half or quarter multiples, for tuning baluns and stubs, and to check dummy loads to be sure they are "dumb." Ray, WAONEA (CVARC BANDSPREAD)

# PLATINUM COAST AMATEUR RADIO SOCIETY'S 6TH ANNUAL HAMFEST MELBOURNE CIVIC AUDITORIUM

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## HARS NEWS

By Roy Scott, W4UHF

Plans for the TAMPA HAMFEST, October 18th and 19th at the Electrical Building at the State Fair Grounds in Tampa are moving right along, and it promises to be an outstanding event with many interesting activities for all radio amateurs.

Of interest to any amateur attending the Hamfest who wants to take his General, Advanced, or Extra class examination, is the fact that the Tampa FCC Office, through Mr. Angelo Ditty and Mr. John Thelmer have made special arrangements to give these tests on Saturday morning, October 18th at the FCC Office in the Federal Building, 500 Zack Street, Tampa.

These examinations are scheduled as follows:

Saturday, Oct. 16, 1971

Extra Class at 8:30 A.M.

General and Advanced Class at 9 A.M.

Anyone wishing to take advantage of this special arrangement should contact HARS Secretary, Robert Schapperl, WN4NZJ, at P.O. Box 3092, Tampa, Fla., 33604, and he will in turn co-ordinate with the FCC Office so they will know how many are going to take it.

At the last meeting of HARS it was decided that there would be no meetings during June, July, and August and the next meeting would be on September 21st, at which time the nominations will be made for a new slate of officers.

HAVE A HAPPY AND SAFE SUMMER TO UNTIL SEPTEMBER

## SUNCOAST ROVING REPORTER

By Cathy Soehl

W4BAV AREA ARNS

K3MAU: Paul Goodrich, founder of the beautiful Confederate Rebel Certificate, recently moved in his new Bradenton Home. June 19th he donned his rubber suit, waded out to extend his pier for the new boat, when using the electric drill, was electrocuted. If a fuse had not blown, his XYL, Jean, would have suffered the same fate when she jumped in and recovered his

body.

SPARC members and friends enjoyed a trip thru East and West Germany, Switzerland and Vienna via the excellent colored slides taken by W4LTC, Wayne Cole, on their trip through Europe.

W4KFC, Bill Franklin, K4KE, Dave Stocky, W4A0HD, Bob Blumberg and W4BGW, Al Friend had nice pictures in the St. Pete Independent, depicting their activities at the ARRL Field Day Contest, held at Florida Power Club.

W4GHR, Bill and W4BAV, Cathy Soehl, enjoyed a visit from W4QPH, Martha and W4SMJN, George Green, W4SPFK, Fred and W4IDSV, Dorothy Read, who are all down from Cleveland, Ohio area. W4WDX, Wm. "Shipwreck" Budd, congratulations on your being Master Oscillator for the Knights of the Kiloycle.

Beware of K4DU, Fred McKenzie, who takes very good "candid camera" shots at hamfests, etc., as evidenced by July issue of SPARC-GAP.



## GATOR CHAPTER

By K4PI

At the Orlando Hamfest several members came up with the idea of a June meeting appropriate to that time of year. The result was the arranging of a boat trip across Tampa Bay from St. Pete to Bahia Beach on the regular cruise boat from St. Pete Bayfront. The luncheon was held at the Calhoun Terrace restaurant and a total of about 70 persons attended, including guests and XYLs. After the luncheon, most of the women returned to the boat for the "Jungle Cruise" while the men held a brief business meeting in the Bahia Beach motel adjoining the restaurant.

The main points of discussion were the date and location of the fall luncheons. The final decision was to hold these on the third

Saturday of each month starting in October at the Causeway Inn, Tampa pending confirmation with the inn. To save postage, it was decided to send only one notice to members, early in October, to cover the three fall meetings.

Everyone attending the meeting voted it a complete success even though the boat trip was made in a slight drizzle which disappeared as the boat returned to dock in St. Pete.

## Q.C.W.A. SUNCOAST CHAPTER

By Bill Soehl, W4GHR

As reported last month, a joint meeting and luncheon of the Gator, Citrus and Suncoast Chapters of the Q.C.W.A., was held June 19th at Bahia Beach. All Chapters were well represented, with between 60 and 70 members, XYLs and friends attending. It was a fine get-together and enjoyed by all, even though a most welcome, delayed rain showed its face and the gang had to dash from the restaurant, across to the hotel where the meeting was held and had to be terminated by 2 p.m., so those coming from St. Pete area could board the boat for the return trip. This was the final meeting of the Chapters until Fall; keep in touch via the Gator Chapter Net, Sundays, 9:30 AM on 3615 kHz or 7235 kHz, depending on band condition.

W4OVE, Vance Vogel, is now a Suncoast and W4CMI, Jesse Leach, is now a full fledged QCWA member and we are looking forward to seeing him at the Suncoast Chapter meetings when they resume to the Fall.

## COUNTRY COUSINS

By Stan Offenbutter, K4BLM

Judging from all the reports we have been hearing, it looks like everyone had a safe and joyous 4th of July weekend holiday.

Kes, W4GZY, is traveling in his mobile home in Minnesota, also Ges, W4ACPL and Ed, W4BGW (our new assistant secretary) making short trips. Walt, W4ADCK, returned from a fine vacation,

so did Mike, K4FCS, who was in Pennsylvania. Jack, W4PTR, and family are on a three week vacation in Minnesota with their relatives. Orland, W4LTW, is in Oklahoma attending the FAA school, and should be back by now.

It's nice to have Chet, W44YRU, back on the air after a long silence. He finally put up the new antenna! Jack, W4PTR, our Chairman of the Board burned his lip after dipping his hand into the hot chocolate cookies that Ruth made. That ought to teach him a lesson to keep his cotton pickin' fingers off the cookie sheet.

Congratulations to Jean, W4GHD for making the Miami Herald with a swell picture and beautiful write up about her accomplishments! What a gal! Jerry, W4HTPI, is our new Chairman of the Sickness and Distress Committee.

Our latest cousins are Chuck, W4ASVD and Cliff, W4RML — a very warm welcome to both.

A welcome to all to join us every night at 10 p.m. EDST on 3970 KHz. A certificate is given by the Net. For all particulars, please check in.

## UNIVERSITY OF SOUTH FLORIDA ARC

By WB4KTG

Our first field day operation was fun, even though almost everything that could go wrong did. At 10 a.m. on Saturday we all arrived, ready to go. Up went the tarpaulin over K4JTE van and W4LPU, 80-40 base loaded vehicle. WB4KTP, Glen, 12 ANQ vehicle came next with its radials over which everyone tripped at least once. The 3KW generator, borrowed from USF's Physical Plant, was set up 200 feet from the van. All this was right in the middle of USF's campus.

Here are the mistakes that nobody should make, but which we did: getting the clock 2 hours ahead, then beginning 2 hours early (someone on 15 mtrs. finally corrected this one) and worst of all, we thought that Tampa was in West Florida, which seems logical. So until 5:30 a.m. on Sunday we told everyone whom we worked that our section was WEST FLORIDA. Sorry about that.

Field Day is also a fine day to find out that your rig is putting out no more than 10 watts, instead of its normal 80 watts. So out of our 30 hours of operation we ended up with a massive 200 QSO's, which really made us sick when we heard that one club was averaging 97 QSO's per hour. Field Day was fun anyway. We wish to thank Frank Moore, K4JCP, for his preliminary work for this event.

## EVERGLADES AMATEUR RADIO CLUB

By Dick Dowse, WB4H2K

The Everglades Amateur Radio Club held its regular monthly June 11. We have no special report this month as our secretary and president were all out of town on business and vacations. We did have a very sociable meeting under the direction of the vice president, yours truly. It is very gratifying to see the interest in this club.

I would like to invite all amateurs to one of our meetings. Come down to Homestead on the second Friday of any month and be our guest. We always have the coffee pot on and the radio shack open.

We have now installed a two meter ground plane antenna on top of the Red Cross building here and have it all checked

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out in the event of any disaster. We also hope to erect a forty meter inverted VEE in the near future, but we certainly hope that we never need them.

Until next month 73, Dick.

## FORT MYERS CLUB NEWS

By Ken, W4SMK

At the July meeting of FMARC Lou North, W4BX, a former official with FCC, gave a talk on frequency allocations. Lou illustrated his talk with some charts, and explained what a complicated problem the development of national and international frequency agreements is. W4BX is now retired up in Punta Gorda, and is another example of the many talented people we have living in Florida.

The June meeting featured a tour of the United Telephone Service facilities in Ft. Myers, which this writer missed, but we understand it was quite interesting.

The club field day effort produced 542 contacts and a claimed score of 1,294 points on SSB with one transmitter. W4LX-4 was at the same location as last year, near the Florida Cities water plant. The weather was good for a change, but there were lots of bugs at times, and not enough operators. WA4GYA provided a ten-KW generator to run the 200 watt rig, so we had power to burn. Rigs were provided by Don, WB4JLO, and Joe, K4HNW.

Attendance at the Summer meetings has been pretty good, what with the usual vacations, etc. Next month is election of officers for the new year, so be sure and come out.

W4IYG and some of the other fellows from Punta Gorda and Port Charlotte came out to applaud their neighbor, W4BX, at the meeting. They told us that rumors of a ham club in their area are not true, yet, but may be some day soon.



**NOVICE AT 10, a General at 11, David Wecker, WB4LFA of Miami Beach took 4th in the ARRL Sweepstakes in the SE Div recently. He attends J. F. Kennedy Jr. High School where he helped set up a club station. He plays the oboe, clarinet and organ in the High School band. His dad is WB4HDJ W2FZR. (Photo via W1GSI 4)**

W4LNE has been home for a longer than usual vacation from his maritime mobile activities. He is still planning to sell the home and move to Texas.

## WESTERN FLORIDA NEWS

By Frank M. Butler, Jr., W4RKH

Field Day reports were received from W4NN-4, WB4VCZ-4, W4RYZ-4, and WB4GTY-4. Other groups reported par-

ticipating were W4UC-4, W44ECY and W4JJ-4.

Pensacola: W4LZM renewed OPS; he has been running PP for South American missionaries. WB4VJM and WB4VJN are new hams in Cantonment. The FFARA Newsletter is being edited by K4SVX and K4CF8 while K4LAN is away. The 6-meter gang are back on 50.7 MHz. Sun. and Weds. at 7:00 p.m. — WB4JHQ NCS. W4UBN is a

new station on 8m.

Fort Walton: New hams include W4OUF, W52XO-4 and WB0CYD-4. WB4VJP is the new call for the CD EOC. W4AWCT is active on 2m FM.

Panama City: K4VPY is new Net Mgr. of QFN. WB4VBV joined the 2m FM gang. W4GGU, W44IMC, WB4LEL and K4VPY, using call W4JJ-4, reportedly had top FD score in section.

Chirley: W4KKB installed a 22-element 2m beam, 125' up. He was also appointed 2m.

Tallahassee: W4VLDL, VDM and VDN are new hams. W4VDD, down in Carrabelle, also got his Novice ticket. WB4LOQ's XYL is now WB4VNU! TARC is still looking for a good FM repeater site.

Cross City: WB4VBY is now living here, while WB4RNT lives just up U.S. 19 at Salem. QFN Net Certificates were issued to K4LAN, K4VPY, W4ZWD and K0BAD-4.

## TAMPA AMATEUR RADIO CLUB NEWS

By Frank Shannon, K4GT

Summertime is here and club meetings have been discontinued until September, the 20th.

Walter Hudson, Engineering Department, Tampa Electric Company, gave TARC members a very informative talk on his daily problems in eliminating "noise" sources which caused interference to hams. In his talk, Mr. Hudson identified the numerous offenders, such as loose tie-wires, defective lightning-arrestors, loose pole hardware, trees touching lines, and a very tricky one — the defective household door-bell step-down transformer. Mr. Hudson extends an invitation to all hams, in their area, to telephone or write him,

(Continued on Page 8)

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(Continued from Page 7)

regarding these problems.

Frank Ziegler, K4EUA, our club President, is again stressing our members participation in the TARC VHF Net every Thursday, 8 p.m. to 9:30 MHz "AM," vertically polarized. Non-members are most welcome! The VHF Net continues thru-out summer.

D. G. Diebold, WB4DJM, had a marvelous vacation with old friend Ralph Covington, at Ralph's QTH in Canal Zone, Panama "O.G." also net K25BO, a missionary minister, in C.Z., and lended the preacher a hand in building a temporary chapel out in jungle for preaching to the natives there. CU Next Skip. Frank, WAGT

## WEST PALM BEACH AMATEUR RADIO CLUB, INC.

By Clara B. Stables, WB4N3R

Field Day has come and gone, but the melody of and the jungle from mosquitoes and other pests immune to insecticides still linger. Just as Field Day ended, Thor, with his magic wand, struck the ES-meter Novice beam. Damage was slight, but the Novices haven't yet regained their Florida wit.

One of this year's stars is Ted Zalesio, WB4TCD, Advanced, just turned 15, who, without previous experience, held his own with the 35-year men. We've sent Duquesne out with his lantern to search for more Teds!

The Two Meter bug bit but did not sting WB4HB. On a recent weekend DXpedition on Grand Bahama, working under the reciprocal VPE, Four Bouncing Rubber Balls made over 98 contacts up, down and across Florida on 146.95 MHz. However, he had to labor for them. His transmitter was adequate, but his receiver had a tin ear. His first contact was WB4UG, Boca, who blasted through with an sweat.

We have just received notification and certificate stating that our Club placed first in Florida in the Third Annual West Valley Amateur Radio Club, Los Angeles, California. Ten Meter Band Opening Contest August 23-24, 1970. Bill Sprague, WB4OUH and Jesse Knight, WD4PPW were the operators. The 1971 Contest will run from 1200 GMT, August 31 to 0100 GMT, August 31. We urge competition. Let's not let two meters die. It's hard to raise the dead.

Novice Classes start September 6 at 7:30 p.m. Bring a friend, your XYL, your youngster, a neighbor and expose them to Ham Radio.

## ORLANDO ARC

By Herb, W4SR

Our June meeting was very well attended. We reviewed our recent and highly successful banquet and commended R4VEV who did such a fine job as Chair-



**BURNING UP THE UHF band on 449.1 MHz with his 350 watts output is Ray Clarke WHITE of South Miami. Ray is an active member of the South Florida FB Assn. and can be reached most anytime through the Miami Repeater.**  
(Photo by K4ANW)

man, while he praised his committees for their efforts. It was handshakes all around. New members to June are WN4SL and W4WLX. An interesting FM program was presented to the membership.

Our club station went portable for Field Day. WN400S radioed the very successful affair under the guidance of W4CFA and W4TOD and with the eager help of WB4DAA, WB4QPW, WN4SQA, WN4TYH and WN4UOK. W4NGR and W4GSH had found an excellent location for the exercise and our youngsters made the most of it. W4CFA and W4TYH fed them royally.

W4CLJ got his tower and stacked beams up at the new QTH. Whoever borrowed his manual for the Jones microwave SWR bridge, please return it to Jess. W4NSO installed north for the summer. He expects to be operating his HW100 portable and to return to Winter Park around Labor Day. Speaking of HW100's, W4MCV is delighted with his WH100. It's still walking fast over but he is quite cheerful about it. Possibly because he can't mow the lawn and has more time to enjoy his Regency HR-2.

WB4LNY wants it known he is spending his vacation at home and not out of town. W4NGR and W4ACII plan to spend their two weeks in their Travel Trailer at Blue Springs. K4VEV haven't told us where he will be during his vacation early in July. WN400S finally got a real hot antenna up for 2 meters. He is having a ball on 2 with his MCW but the rest of us pray he will soon be a WB4.

## HOLLYWOOD A.R.C.

By WB4HML

Field Day 71 style went off without a hitch, and for a young club's first effort it was a great success. More than 20 members participated actively at WB4TON and about 35 to 40 showed up all together for the 27 hour stint.

Yellow and Orange vests are blazoning all over Hollywood. Over 40 have been purchased with orders for 20 more.

Welcome to Ray Small, W4NPE, he joined up during Field Day. Glad to have you aboard Ray.

The July meeting was held at Miramar High School elect lab. The guest speaker was Mr. Stallings from F.P.I. on the subject of line noise. The August meeting will be held at home grounds, Chaminade High science room.

According to WB4LZQ, our QSL manager, WB4TON worked all States during the FD and he started sending cards for same.

The June issue of our Newsletter was superb, pictures and all.

As always, visitors are welcome at our meetings. Remember, be an active member.

## FIVE FLAGS AMATEUR RADIO CLUB

By Gene Rutledge, WB4KIT

"Disaster" best describes this year's Field Day Exercise. Field Day was held at the usual place, Santa Rosa Flying Field on highway 27 south of Milton, Fla. To

many problems cropped up for the eager crew and it was evident that "Murphy" had done his trick. One of the major difficulties was, that the main Generator that supplied power to the transceivers decided to get tired so it shut off but not before it had burned up two of the rigs that were in use. A good time was had by all and much experience was learned.

This month's meeting was held at the club house on Government St. and since there weren't enough of the membership present to vote on issues, a rather interesting discussion was held over coffee and donuts.

Plans for the VHF Contest to be held in late August or early September are under way. More details next month.

It was evident that this month's club newspaper was a change and much hard work was put forth. Keep up the good work gang. After attending the monthly meeting of the Pensacola FM Repeater Ass'n Inc., it was learned that the club has a new 300 watt Afterburner.

Meetings are held the last Thursday of the month at Blalock's. Courtesy of Fletcher Blalock WB4JWK. Thanks go out to K0RAD-4 for his untiring efforts with the latest code and theory class. If all goes well 17 new Novices will be on the bands soon.

## DELTONA HAM NEWS

By Jack Six, W4YPA

Deltona CD net doing very good for summer the usual ones check in and round table follows the simulated emergency traffic. Meetings are most enjoyed by all since we have no radio club in Deltona.

G4DKS-W4 Keith now has a new folded dipole up in inverted V also built a FB center just for it from the Hand Book working out real good reports Keith.

The Sunday QCWA Net is still growing and is having good attendance even though the snow birds have gone North. I had a nice QSO with W2NQR, Mark Devaney, and he informed me that it is confirmed that a signed petition from K4LGA, Barry Gidwater with the required signatures is in file at headquarters for QCWA President next election.

K4LZ, Tom Ames, left July 7th for an extended visit to Massachusetts.

W4LYR, Russ, reports that his Min Beam is doing a nice job for him. Russ is also shopping for a linear amplifier.

That's all for now, be happy and smile, this is the most important day of your life because you are here.

## FLORIDORA NEWS

By Charlotte Frazier, WB4PEL

W4LZI, Frances Waples, became a Silent Key May 16th. Related heartfelt sympathy to her family.

K4UTZ, EV and OM, W4BKC, Hal, went deep sea fishing recently and Hal huffed a sailfish for 45 minutes only to lose it when the mate grabbed the wire. Better luck next time, Hal.

K4RHL, Ellie, is going to Cleveland (if there are no hurricanes) the middle of July to see her son-in-law in the air races. She is also looking forward to next February when she will make another trip to Africa.

WB4IL, Frank and OM, W4WME, Bill, left July 7th for a trip to Georgia and the Carolinas. Hope you have a grand time having with your campers.

W4LUR, Mini, has taken over the office of Speech Amplifier on the Knights of the Kiloyches, relieving W4WPD, Shirley, who took over the job when W4HGO became a Silent Key.

The Floridora history was published in the "Crosetalk" publication of the Gloucester County Amateur Radio Club of New Jersey, by W4FGS who picked it up from the "CLARA" publication, which was sent in by W4KAV, Cathy, Floridoras getting widespread publicity.

Many thanks to Cathy for sending most of the news to be published. How about the rest of you? Please send me anything that

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you are doing or planning to do in the near future.

WB4FVN, Nellie, W4GPX, Ruth and W4PEL, Char have been active on six meters. We have been looking for more XYLs and YLs to join us in the Clearwater area.

Let's hear from you so that we can bring everyone up to date on the activities of our members.

#### DADE ARC

By Paul Nurnan

June 26-27 was the big day, more like days and nights.

Again this reporter has to admit that Field Day, as practiced, is not a very practical emergency test of Amateur Radio Capabilities. I personally believe that an absolute limit of 5 miles, and no bridges, should be imposed on Field Day participants.

The Dade Radio Club held its Field Day at the tip of Miami Beach at the Boy Scout Camp and we had a good turnout. It showed up.

It would be appropriate, I think, to use this column to pass out a little praise to several of our club members that gave outstandingly of their time for this particular field day.

Chuck Bolvin, K4KQ, was our Field Day Chairman, Chief CW op, Assistant Chief SSB op, supplier of 75 percent of the equipment, gave 125 percent of his time. Chuck and I do not see eye to eye on many things, Field Day being one of them, but you cannot fault Chuck for his effort.

Gloria Veres, Mom of Chip, WB4QGN, Gloria was our food chairlady and the Field Day would have fallen apart without her constant effort. She must have logged 200 miles on her car going and getting. In between times she logged, visited, and, in general, the second most valued member of this Field Day gang.

Jay Hecker, WB4HDZ, our errand runner. Jay was on the go the whole time. There was nothing that needed being done that Jay was not ready, willing, and able to do. It could be that he was showing off for Carol — bless her heart, she stayed through the whole thing and falling down tired — but I don't think so. His final act after close of operation was to hoist Jay on top of the building, in the rain, and he dismantled the vehicle. No greater love hath any ham.

Of necessity, I can't give proper credit to all the folks that worked so hard, got so tired, and still stayed in a good mood.

The XYLs are to be mentioned in particular. The interest in their O.M.'s

activities is to be applauded. A ham is a ham but an XYL is a doll to put up with all the odd things we do.

#### BROWARD A.R.C.

By Jim Wilson, W4GBK

Broward's Field Day setup operated Saturday and Sunday under very threatening skies, but it was not until mid afternoon Sunday that the "wet stuff" came down in quantity. As a consequence they decided to find up their tents and leave.

Bob Crispen, WB4OOI, with a new Advanced Class ticket was our Field Day Manager this year. He had 2 rigs going, used 7 operators. Among these were Gerry Keisler, Mark Zegel, Jim Davis, Bob Crispen and Bill Lando. A nice picture of the boys in action appeared in the FT. LAUDERDALE NEWS.

Bob reports 12 pages of contacts and facts everyone had a good time.

At the June meeting, Civil Defense provided a late film on Hurricane Camille which brought cheers to the viewers as they realized how easily this could happen to us in Broward County. Twenty-five members were present despite a downpour before the meeting.

#### TAMPA BAY REPEATER ASSOCIATION

By Jack Howell, K4LMJ

Hooray! The Repeater is back on the air. A whole heap of thanks to Ken, WA8HAA, his wife Rose, Bill, WB4KLW, Jack, K4LMJ, Jim, W4APV, Al, W4BGW and all the others who helped get the job done. Everyone seems pleased with the results. The club held a small contest to see who could guess closest to the correct value of power output of the Repeater when it went back on the air. New member, Cal, W4JVQ, won a free month's membership with a guess of 200 watts.

At our June meeting representative to the South Eastern Repeater Association, Walt, WA4FBI, reported up the SERA meeting held at the Orlando Hamfest. Each member club is to list their contributions for officers, elections to be held at the Melbourne Hamfest in September. SERA is becoming truly regional with a new member, Alford Memorial Radio Club of Marietta, Ga., which operates the Stone Mountain Repeater.

SERA also selected TBRA's publication "QSP" as its official bulletin. Keep up the good work, Walt.

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## FPTN

By Case, W4NGR

OM summer slump has 'hit' us! June's participation and traffic handled was way down. Many of our regulars are on vacations. Birch, WB4AIW is absent! Tom, WA4BWE has had his up's and down's, having gone into the hospital. Tom is now back on the air and improving nicely.

Roy, K4EJW sent a "Having a wonderful time with you were here" card from Canada. Herman, WB4FJY is back from his sojourn in Europe, wonder if he got to "Eyeball" some rare DK!!!

W4LAD is changing his QTH at Tampa. Tony, W4JQ's stock answer to roll call is, "Good Morning -- I Ain't Got Nothing." One, K4LPS keeps us informed as the ARRL Official Bulletin. To those faithful few who keep our strength up -- W4DDW, W4SNP-M, W4UCQ, W4AOR, W4BKC to name a few. Thanks! for being with us. Look for us (W4NGR-4) at some campground throughout the state on weekends. Best 73 to all of you!!



ALL SMILES after the Florida Midday Traffic Net dinner at Orlando Hamfest. Standing: W4BKC, K4OER, W4HED and W4LSR. Seated: W4SDR, Mgr. of FMTN. (Photoby W4ABY)

## FLORIDA MIDDAY TRAFFIC NET

By Herb, W4LSR

Dick, K4LEC returned from his vacation in June. We missed him as Thursday NCS except on June third when we had Ruth, W4HED substitute for him. Charlie, W4AKB, has been checking in occasionally and so has Jim, W4GDK. Al, WB4ID left for Europe and he expects to be gone all summer. Herb, K4DAX has gone to his new home in Texas. Kelley, W4FJA has

accepted the position of assistant Manager of our net and I, J., W4SCK, has volunteered to serve as OBS, both replacing Herb. Birch, WB4AIW, will be off to Atlanta early in July and expects to return in a couple of weeks.

New members in June are Lu, WB4RLU in West Palm Beach, Steve, WB4CVH in Lake Worth and Chuck, WB4TEO in Lakeland. Welcome fellows.

Flash!! The 1972 Orlando Hamfest is tentatively set for May 20 and 21 at a new, bigger and better location. More about it later.

The FMTN held 26 sessions in June. 827 stations passed 254 pieces of traffic.

## FLORIDA FAA NET

By George Cooper, W4EH

It is with deep regret we record the passing of W4ZL, Harold Burhop. Harold's long time friend, W4YD, Stark Totman was in attendance at the funeral.

In a happier note the members of the Florida FAA Net extend their congratulations to W4WKQ, John Zwaska, on the marriage of his lovely daughter Barbie. John's boat the "Barbie VI" is being fitted out with a new Swan, Hunter vertical and two meter FM equipment. We are waiting for John to check in signing W4WKQ-MM.

It was a most pleasant surprise to have W4LIU, Blair Pearson, drop by for an eyeball QSO. Blair and I both served aboard the U.S.S. Wyoming and we had a lot of sea stories to swap.

My friend, K4PH, Al Hendrick, Sarasota, changed from a vertical to a dipole and went from about 5-2 to 5-9. WB4FW-4 operating from Atlanta, Ga. comes in with a big rig.

W4DWD, Jules Bamberg, appears to be having the same problem as many of us "OLD TIMERS." That print in the call book is sure getting small.

Summer vacations are the order of the day with K4IV, Bill Schroeder, and W4BIC, "EK" Slim with new "NOMAD" travel trailers. Good luck fellows but DRIVE SAFELY.

Speaking of vacations, W4EH George, planning a trip to see "MAMA" in Akron, Ohio. Have asked WB4BZW, Bill Smith, to do the Sept. column Florida FAA Net. Bill is with the "International Flight Service Station" Miami and one of the best in the business. (He was also one of our best pilots during WW2 flying the famous B25s. Of you who like to do some tanger flying be sure and contact WB4BZW, Billy "Arnold" Smith.)

For W4JVA, Paul, I will try and get around to all of your new check-ins and the back log of news for the Florida FAA NET.

## TOP TWENTY TRAFFIC TAKERS

By W4KGJ

1. WB4AIW	467	11. K4FAC	78
2. W4FPC	280	12. 8R1Y/W4	70
3. WA4SCK	254	13. WB4PED	68
4. K4VFX	228	14. WB4LAA	62
5. WB4QMG	179	15. K4BAD-4	60
6. W4ILE	119	16. W4DVO	54
7. W4FFF	114	17. W4YPX	53
8. WB4EQU	105	18. W4IA	42
9. W4SDR	100	19. WB4GHD	41
10. WB4HJW	97	20. W4NGR	40

## TRAFFIC HOUNDS

By W4KGJ

NET	QNI	Avg. QNI	QTC	Avg. QTC	Sessions
FMTN	827	31.8	254	9.8	26
GN	383	12.8	207	6.4	30
QFN	691	11.5	353	5.8	60
FAST	550	22.0	125	5.0	25
TPTN	317	15.1	67	3.2	21
FPTN	421	16.2	59	2.3	26
QFTN	175	6.6	52	2.0	26
VEN	223	7.2	20	0.7	30
WFPN	Missing				

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## WORLD SKIP

By Phil Reid, WB4ONC

DX activity has again increased with many DX-peditions on now and being planned. Conditions continue to be very good to all sections of the world on 20 meters and 15 is fairly open into Europe, Africa and Oceania.

### DX-PEDITIONS

1S9 — Spratley Island — There is a rumor that a VS6 may be thinking of a trip to Spratley sometime in late July or early August.

5H1 — Zanzibar — 5H3LV should have this QTH activated by the time this is read. The call will be 5H1LV.

CEOX — San Felix — This rare QTH is going to be activated soon, most likely in mid or late August.

### RARE STATIONS ACTIVE

FK8 — New Caledonia — Jean, FK8AB, is active on 20 meter CW around 0600Z.

YB9 — Indonesia — Jerry, YB9AAT, is active around 14,280 at 1200Z.



WEST PALM ARC (W4HAW) cleaned up on 15 SSB during Field Day when Ted Zaleski, WB4TCD took the controls. He worked hard all day. Ted is 15 years old and holds an Advanced ticket. (Photo by WB4NXX)

ZD5 — Swaziland — ZD5X on

20 CW at 1200Z Long Path.

C21 — Nauru Is. — C21AA is

active on 20 CW and on SSB

around 14,190 listening 14,210.

FB8 — Amsterdam Is. —

FB8ZZ on 14,028 at 1130Z.

OH0 — Market Reef —

OH0MA is on 15 CW xtal con-

trolled on 21,086 and 21,106.

Mary, WA3HUP, along with

CT2AA and CT2BB have

organized the Arabian Knight DX Net. The list for this net is taken on Thursdays at 1900Z and the actual net is on Saturdays at 1900Z. The frequency is 14,295.

5H3LV reports that Tanzania should be easy to work. He lists 5H3s KG, KA, LZ, ML, MM, MT, and MV at the total active stations.

### DX-PEDITIONS NOW ACTIVE

JD1 — Ogasawara Is. (Bonin Is.) — JD1ACH by JA3JZ is active on SSB near 14,200 and on CW at 14,025 around 1100Z.

PV0 — Trindade — PY0ATG is active on 14,195 listening 14,205 around 0130Z.

3C0 — Annabon — 3C0AN is active (until mid July). QSL to OH2NB.

## FOR THE XYL ONLY

By Flo Ann, WN4RSM

I've noticed that many XYL's have a negative image of Ham Radio as a hobby for their husbands. They get irritated at their husbands' sitting at the squawk box morning, noon and night, weekdays and weekends.

Wives of golfers and hunters have this problem, too. It's pretty ego-deflating when your one and only seems to prefer something else to you, whether it's a radio, a bunch of golf clubs or a shotgun.

I'm not going to run Ham Radio into the ground as the great public service hobby that keeps the kiddies off the streets. I'm sure you've had that rammed down your throat often enough.

I'd just like to say give the boys a break.

If you can't fight 'em, join 'em.

Your old man would be pleasantly surprised if you asked him to explain to you how that contraption works.

Code is not so difficult to learn, and you can even cram enough theory into your head, between scrubbing floors and getting the kids off to school, to pass that test. There are a surprising number of YL's and XYL's with licenses.

If you don't feel inclined to go into it deeply enough to get your license, you'll be rewarded by the happy expression on your OM's face when you show some interest in his treasured equipment.

Who knows? You might even learn to like it.

## NEW PROPOSALS

E=EXTRA, A=ADV., GC=GEN./COND., N=NOVICE

	Present Status	FCC Proposals	ARRL Proposals		Present Status	FCC Proposals	ARRL Proposals
Voice	3800-4000	3750-4000	3775-4000	Voice	14200-14350	14150-14350	14175-14350
Extra	3500-3525 3800-3825	3500-3510 3750-3775	3500-3525 3775-3800	Extra	14000-14025	14000-14010 14150-14175	14000-14025 14175-14200
E+A	3825-3900	3775-3875	3800-3825	E+A	14200-14275	14175-14250	14200-14275
EA+GC	3525-3700 3750-3800 3900-4000	3510-3700 3875-4000	3525-3700 3750-3775 3825-4000	EA+GC	14025-14200 14275-14350	14010-14150 14250-14350	14025-14175 14275-14350
EAGC+N	3700-3750	3700-3750	3700-3750	Voice	21250-21450	21200-21450	21200-21450
Voice	7200-7300	7075-7100 <sup>1</sup> 7150-7300	7075-7100 <sup>2</sup> 7150-7300	Extra	21000-21025 21250-21275	21000-21010 21200-21225	21000-21025 21200-21225
Extra	7000-7025	7000-7010 7150-7175	7000-7025 7150-7175	E+A	21275-21350	21225-21325	21225-21325
E+A	7200-7250	7075-7100 <sup>1</sup> 7175-7225	7175-7225	EA+GC	21025-21100 21350-21450	21010-21100 21325-21450	21025-21100 21325-21450
EA+GC	7025-7150 7250-7300	7010-7100 7225-7300	7025-7100 <sup>2</sup> 7075-7100 7225-7300	EAGC+N	21100-21250	21100-21200	21100-21200
EAGC+N	7150-7200	7100-7150	7100-7150	Voice	28500-29700	28350-29700	28500-29700
				Extra	28000-29700	28350-28375	28000-29700
				E+A	28000-29700	28375-28500	28000-29700
				EA+GC	28000-29700	28000-28150 28250-28350 28500-29700	28000-29700
				N	(none)	28150-28250 (none)	

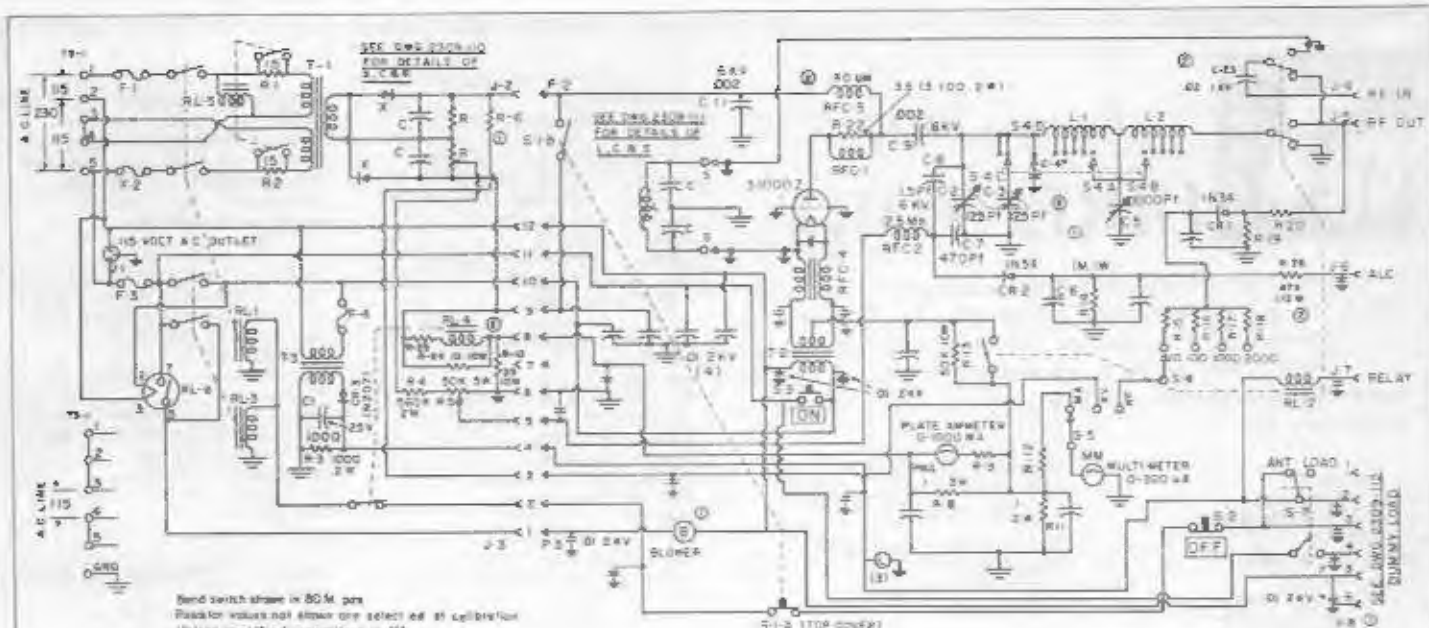
<sup>1</sup> Inter-regional contacts only.

<sup>2</sup> U.S. possessions, Region III only.

(ARRL Club Bulletin)

(The Atlanta Ham)





## THE BTI LINEAR AMPLIFIER

### IT'S HARD TO CONVINCE SOME PEOPLE

There is a guy in our neighborhood that gets quite unhappy because of the QRM he experiences when a few of us get on the same band he is operating. He says we constantly block his receiver. The odd part of it is that several of us within a block of each other can operate CW and SSB and get little or no interference.

This prompted me to make some comments on this common malady called "front-end overload." Let's take a very non engineering look at the problem. The first tube in any receiver can handle just so much input. When the critical amount is exceeded the tube

commences to act like your Hi signal — it generates garbage in various forms none of which is necessarily present in the incoming signal. The receiver may be as hot as a firecracker sensitivity-wise and have all kinds of IF selectivity but when that front end squats due to overload all the rest of the good features are for naught. Cranking back the RF gain does not clear the trouble.

The cure is to reduce the input signal to the point where it will not cause the front end to overload and this is done by a simple resistor pad. It causes a reduction in signal but you can then run up the audio gain to

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compensate for it. You might give it a try — it's sure better than having the receiver go dead when that neighbor comes on.  
Onyx

### HINTS & KINKS K4UGC

When someone is using a grid dip meter or an adjustable cavity, there is a useful aid, at very low cost. A frequency standard made out of two 300 ohm transmission lines.

Two lengths of Belden 8275 will resonate at 144 MHz one half wavelength, 32 and seven eighths inches shorted at both end. Three quarters wavelength 49 and a half inches shorted at only one end.

These two lengths will have a one common resonant frequency (harmonics will be different frequencies) therefore eliminating the chance of marking a dial of a home-brew grid dip, or tuned cavity, on the harmonic at 144 MHz and higher the two lengths are conveniently measured. But caution to consider the velocity of the transmission line such as the Belden number 8275. The number indicates the type and velocity; which is a different length with 300 ohm lines — that look the same, but have a different manufacture number.

The two lengths for 432 MHz will be approximately one third the lengths of each of the 144 MHz.

To trim the lengths at UHF to accurate frequency, such as solder can be added and filed down to frequency using a known standard frequency. 73 Dick Frederick, K4UGC, 460 NE 108th Terr., Miami, Fla.

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## HAMBAR

HAMBAR services of radio equipment ONLY will be available to all our subscribers, amateurs or non-amateurs, at a rate of 50 cents for 35 words, and 5 cents a word thereafter. NO AD WILL BE PRINTED UNLESS ACCOMPANIED BY FULL REMITTANCE! Reprint ads must be resubmitted each month, no \$1.00 for two insertions, etc. No Hambar accepted via telephone.

Non-subscribers rate is \$1.00 for 35 words and 5 cents each additional word. To Commercial Business: Classified, undisplayed — 50 cents per line. Illustrative or General Display with border — \$3.50 minimum, \$70 page, including lay-out.

Deadline 10th of month for all ads. FLORIDA SKIP, INC., Advertising Department, P. O. Box 501, Miami Springs, FL 33166.

**WANTED:** RTTY model 14 keyboard typing report, 70E-24 PTO, 70B-1 PTO, F 455 J 15 (1.5 kHz mechanical filter 75A4). Don Murray K4FMA, 1280 N.E. 146th St. North Miami, FL 33161 Phone 305-947-7725.

**TRANSFORMERS REWOUND:** Jess Price, WAUJ, 567 Rachel St., Orlando, FL 32806 Phone (305) 425-7251.

**FOR SALE:** Transmatch, Miller 1 KW type 92300, new condition \$79.00 & position coax switch and connectors \$5.00. Fulton Pace WB4ORR, 108 Trio Ct., Holly Hill, FL Phone 904-255-2841.

**FOR SALE:** Drake R-4B R-4XB AC-1 power supply MS-4 speaker, excellent condition with manuals \$800.00. Johnson Thunderbolt KW, clean \$200.00. Thor-6 Transceiver with manual \$300.00. Many other items. Write or phone Roy E. Pitzer WA4DEV, 2548 King Ave., Auburndale, FL 33823 Phone 813-967-1667.

**WANTED:** TOP cash for mint or excellent Yellian II and manual. Also interested in National receivers, HRO-5 and earlier and in OT shipboard long wave receiver such as SE-1420 or similar. Will consider more modern units. Need components for KW class C amp and power supply for c.w. Rupert Phillips W4EXZ Star Route, Middleburg, FL 32068 Phone 904-282-2231.

**FOR SALE:** HW-12A with mike, calibrator and mobile mount \$95.00. Charles C. Fowkes WB4BOM, 1613 - 30th St. West, Bradenton, FL 33505 Phone 813-746-2949.

**NOVICE HW:** for sale: Drake T-B \$169.00. Hallicrafters HT-40 \$69.00. Both mint a few extras. Ship by bus. A. H. Eltinger WB4NLL, 2419 Hillview St., Sarasota, FL 33575 Phone 955-0675 evenings.

**FOR SALE:** HT-37 Hallicrafters transmitter with mike and coax relay \$149.00. Forrest K. Haynes K4YPO, 4419 Forest Rd., West Palm Beach, FL 33406.

**FOR SALE:** SWAN TB-3H tri-band beam, Ham-M rotor with control. Still in factory packaging. Item not less 20 percent. No ship. A. A. Zimmerman K6HPF, 1617 Brave Dr., Clearwater, FL Phone 521-9489.

**CRYSTALS** for 6 and 2 Texas half inch pin spacing (FT-243) 8485, 8440, 8469, 8490, for 6 meter JAN 8138, 8153, 8153, 9069 for 2 meters. One Texas pin spacing half inch for 18.50 Mc. New Turner desk microphone high and low impedance. Need Shure 430 or similar mike. Peter J. Stevenson, W4DIL, 11346 SW 172nd St., Miami, FL 33157.

**FOR SALE:** Heath AM-3 EW SWR bridge \$10.00. Argonne AR-57 xtal mike \$3.00. Johnson 100 kHz calibrator with xtal and instructions \$8.00. Dual 605 steel grey QSL file cabinet — holds about 2000 cards \$4.00. Collins transformers, chokes. What you need? Turner 350C mobile, Push to talk switch and 3 connector plug, like new \$18.00. Globe Chief 75 watt Novice rig \$30.00. Johnson Rat-wire-type 2 kw final tank coils, \$4.00 each. Andy Clark W4LYT, 41 Lenape Dr., Miami Springs, FL 33166 Phone 388-3874.

**GET A NEW LOOK FOR YOUR SHACK OR MOBILE.** With call letter or name plates (with Magnetic tape) for \$3.00 or two for \$5.50. Black or give desired color. Will also hold to wood or glass. Make all yours. Last a lifetime. Rev. Paul C. Hart WA8RTE, Chaplain, Saint Joseph Hospital, Ottumwa, Iowa 52501.

**TELETYPE PARTS.** Fast service, machines, all models. Buy parts, late machines. What have you? TYPETRONICS, Box 8873, Ft. Lauderdale, FL 33310-W4VYF.

**FOR SALE:** Heathkit SB-100 SSB adapter in new condition \$55.00. Heath Cheyenne MT-1 mobile transmitter \$35.00. WRL power supply with power HW Heath series \$30.00. Hand crank generator GN-56A in new condition \$20.00. Realistic Stereo tape recorder Mod. 909 complete in box \$113.00. Norman Cerber W4ZRT, 850 NE 13th St., Miami, FL 33138 Phone 758-2658.

**FOR SALE:** Heath SB-100, SB-600, HT-23A, all cables and manual. Mint \$300.00. Looking for HW-22A in good condition. Mark Zegel WB4SDI, 328 SW 16th Ct., Ft. Lauderdale, FL 33315.

**FOR SALE:** COLLINS complete station 75S1, 32S1, 30L1, 31ZB. Excellent from estate of W4IS \$1000.00. David M. Ruggles K4DAY, 1 Star Jee Circle, Ormond Beach, FL 32074.

**FOR SALE:** SWAN 500CX with 117X a.c. power supply. In full warranty. Best offer over \$475.00. FOB. Call (904) 264-2538 R. L. Sturge, WB4BYJ, 319 Neel Rd., Orange Park, Fla.

**FOR SALE:** Heath SP-401 transmitter brand new and just back from being factory aligned and neutralized. Best offer. Clark K. Little, 211 Westbrook Ave., Brandon, FL 33611.

**FOR SALE:** NATIONAL NCX-3 SSB transceiver 180 watt 75-40-20 meter NCX-A 115 v.a.c. supply and EV-630 mike \$150.00. Herb Evans W4LKT, 116 Cascade Terr., Daytona Beach Shores, FL 32018 Phone 767-9535.

**FOR SALE:** Hallicrafters SX-130 receiver in mint condition with manual \$110.00. Morris Segal, K4DGR, 2110 Corena Dr., Orlando, Fla. 32810. Phone 299-3336.

**FOR SALE:** Collins 75SL, 32S1 and Collins station control. Includes watt meter, phone patch and SWR meter. Must be sold as unit. Total \$600.00. Gensel 101 \$100.00 Hy-Gain high-tower \$75.00. Tower must be taken down by purchaser. From estate of W4VYQ W. R. Eastman, K4OC, 11351 68th N., Seminole, FL 33542 Phone 393-1153.

**FOR SWAN 350** with all factory modifications complete with SWAN TCU VOX, 117 XC power supply built into TCU. A-3 condition, \$300.00. WB4DPT, William J. Ackerman, 103 Griffin Ave., Thomasville, GA 30286 Phone 404-647-9655, nights, week-ends.



**JACK SHUREK, W4FTR**, on the left was presented a plaque by **Howard, WB4DRM**, President of the Country Cousins at the Orlando Hamfest. This was presented to Jack for his outstanding achievements with the Country Cousins in spite of his busy work schedule. (Photo by W4BCZ)

**FOR SALE:** Ranger with Dow antenna relay \$35.00. Hammerlund HQ-100C with speaker \$225.00, both with instruction manuals and in excellent condition. K4AIG, 2275 Queen Palm Rd., Boca Raton, FL Phone 265-391-3309.

**FOR SALE:** Ranger I transmitter \$95.00. Dow-Key coax relay 115 v.a.c. \$19.00. VTVM \$12.00. Elco VOM \$7.00. Pair 3B2's - Howard Stark, W4LMTB, 9231 Caribbean Blvd., Miami, FL 33157 Phone 288-6459.

**FOR SALE:** Hallicrafters SX-62 receiver — covers 550 kc to 105 MHz. AM and FM. 10 watts audio. No speaker. Good operating condition \$80.00 if you pick up. V. Baker, W2TQ-4, 1710 Point Pleasant Ave. West, Bradenton, FL 33505.

**FOR SALE:** SWAN TVS B, have xtal for 15 or 50 mc IF. \$190.00. Forrest K. Haynes K4YPO, 4419 Forest Rd., W. Palm Beach, FL 33406.

**FOR SALE:** DRAKE 21' receiver \$175.00. Heath DX-60B \$80.00. Both in like new condition. Mark Davis W4LHSL, 3204 Aviation Ave., Apt. 4-B, Miami, FL 33133 Phone 443-5790.

**WANTED:** Hallicrafters T.O. Keyer and paddle. **FOR SALE:** Hallicrafters "H" line: SX-101 HT-32 and HT-33B. Send QSL or call for price list. Ricky Masada, W4WEB, 625 - 90rd Ave., Tampa, FL 33612 Phone 522-7716.

**BUY YOUR FM GEAR** from the VHF specialists. Carl Eagle Electronics, 102 North Oak St., Granite Quarry, N.C. 28073. Standard, Clegg, Gladding, Varitronics, Sams, Galaxy, Mosley, Hy-Gain, Robin Towers.

**FOR SALE:** FTDX 560 transceiver \$380.00. C. Fowkes WB4BOM, 1613 - 30th St., West Bradenton, FL Phone 813-746-2949.

**WANTED:** HM-50 IF adapter for CE-M32 analyzer. Jack Shurek W4FTR 605 Citrus Ct., Melbourne Beach, FL 32961.

**WIDOW** wishes to sell husbands amateur radio equipment. Units too numerous to list here. Please call Mrs. Harold A. Rensch, KYI, W4DRG, 2455 Key Largo Lane, Ft. Lauderdale, FL 33318. Phone 583-8337.

**FOR SALE:** National NCX-3 transceiver with AC supply, Astatic mike, \$210.00. Electronic slide rule and instruction books \$12.00. Tape recorders new O' General \$25.00. Used Sony \$170.00. No shipping. Henry Miller W4VGG, 609 Imperial Palm Dr., Largo, FL 33540.

## REPEATER DIRECTORY

The ARRL Repeater Directory, a brief compilation of repeater information geared to the use of the operator, is ready for distribution. Planned initially as a supplement to the ARRL Net Directory, it was decided to produce the repeater listing first to make it available to mobilizing hams during this vacation season. For each copy of the Repeater Directory, send a legal sized addressed envelope with 8 cents United States postage to ARRL, 225 Main Street, Newington, Connecticut 06111. (ARRL OR 330)

## LETTERS TO THE EDITOR

(Continued from Page 2)

has renewed its license with their old call W4CTEA.

Our present activity is very much reduced because of student work load and many of the boys work part time. Those that do come in and work with the equipment available are fascinated by RTTY and work on 20M with a Ranger II.

Some of our future students have come through our electronics lab and have shown enthusiasm over our Ham Shack and it looks as though our club will really perk up come September.

From an ad in Skip, we received a model to teletype and although our old model 36 still needs a gear, we are in great shape thanks to SKIP.

71

Harold K. Pencher  
FL Lauderdale



"K4QM—ISAAC 'IKE' ROACH (left) receiving QCWA 50-year certificate from K4GZ—Charles 'Cal' Louis, Vice-Chairman of the Treasure Coast Chapter. Seated is W4TZ—Cred M. Chorpeneing, Secty.-Treas. Picture was taken by WISX-4—Richard M. Purinton."

## NEW EDITION

**SECOND-CLASS RADIOTELEPHONE LICENSE HANDBOOK** by Edward M. Noll. The emphasis of this book is placed on two-way radio, since it is the major field of activity for the second-class radiotelephone license holder. Completely updated, the discussions of the latest solid-state two-way communications equipment are included in this revised edition.

The first five chapters cover FCC Rules and Regulations, operating procedures for radiotelephone communications, transmitter tuning and adjustment, etc. Chapters 6 through 14 are study guide chapters that contain questions and answers on Elements I, II, and III of the FCC EXAM. Each of the study guide chapters include a self-examination, with the answers provided.

Chapter 15 contains two 100-question tests to simulate the FCC examinations. These tests are presented in the multiple-choice form of the FCC tests. The answers to these tests are also given.

Finally, the book has appendices which contain extracts from the FCC Rules and Regulations. These extracts contain valuable information that can be used as reference material.

**SECOND-CLASS RADIOTELEPHONE LICENSE HANDBOOK** will help the reader acquire a license, and will continue to serve as reference material

once he is licensed.

**SECOND-CLASS RADIOTELEPHONE LICENSE HANDBOOK**, SAMS Catalog No. 20824. Size: 360 pages; 5 1/2" x 8 1/2"; softcover. List Price: \$6.50. Howard Sams, Inc., 4300 W. 62nd St., Indianapolis, Ind. 46226.

## SOCIETY OF WIRELESS PIONEERS

The above named organization, consisting of former commercial or government wireless operators, that is, anyone who has earned a living at pounding brass over the air prior to 1935, is now well established, with a 50 percent increase in membership during the past year.

Founded three years ago by old time West Coast operators, we have rapidly spread to include former operators who worked on the Great Lakes, Canada and foreign countries. During the past year the East Coast (including Florida) has had a big increase in membership.

To those in Florida who have already received applications and full information, we urge you to fill in and mail your application promptly. By doing so you will receive the Society's

quarterly News Letter and Membership List, the first issue of 1971 to be mailed within a few weeks.

In addition, the Society's now famous publication "Ports-O-Call" is being readied for publication early this year and will be bigger and better than previous annual issues, which have received wide acclaim in various amateur publications. "Ports-O-Call" is available to SOWP members only.

For further information or membership applications write or phone K4P1 or W4DL.

Within the next three months we feel confident there will be enough members in Florida to arrange a get-together of all state members, probably at the Orlando hamfest, to discuss forming an all-Florida Chapter, and plans to set up Chapter meetings at regular intervals.

## — COMING EVENTS —

Melbourne Hamfest	Sept.	11
Miami Auctionfest	Sept.	18
Tampa Hamfest	Oct.	16-17
A.R.R.L. Set	Jan.	29-30

## VHF'ERS COLUMN

By Frank Shannon, K4GT

As promised in last month's column, this one will be mostly on 6 and 2 Meters, AM, SSB, CW, both individual and nets or groups.

Gulf Coast Amateur Radio Club sponsors their own net every Wednesday at 7 p.m. on 50.4 MHz "AM," mostly vertically polarized. They also participate in the Rag Chasers Net every morning at 9 a.m. on 50.4 MHz, "AM," mostly vertically polarized.

**SPECIAL NOTICE:** W4VCY, under letter-authority of National Bureau of Standards, dated 13 April 1971, has been granted permission to act as a re-broadcast station for WWV. This will benefit those who operate strictly on 6 Meters and do not possess a receiver capable of receiving WWV direct. W4VCY requests your suggestions regarding the time or times you desire this re-broadcasting of WWV. At present W4VCY will re-broadcast WWV time signals on the morning Rag Chasers Net. Write or contact him direct, regarding additional times. He, under the FCC and NBS rules must file a semi-annual report

of such rebroadcasting. **NOTE:** Effective 1 July 1971, WWV changed their operation to voice announcement every minute, instead of previously on every five-minute periods. There is no, repeat no code sent, voice only.

For you VHF'ers on SSB, a group of mostly retired "Senior Citizens" operate Mondays thru Saturdays on SSB, 50.150 MHz, mostly on beams horizontally polarized. They commence at 9.30 AM and continue until "exhausted". Facetiously, they refer to themselves as "The Medicare Group!" They do really welcome any VHF'er, regardless of age!

## HOW IS YOUR STANDING WAVE?

Did you ever blow a mica condenser in the Pi-output section of your transmitter? That can easily happen if your SWR is too high — you may have 200 watts going out and 180 coming back which heats up the feed line or output tank circuit and causing a break-down and short out.

This trouble will be more noticeable when the antenna is too short or the feed line becomes a part of the antenna circuit. In many cases the co-ax will break down, particularly if you are using old stuff and running more than a few watts of power. Usually a SWR bridge will show the deficiency. That is why it is important that the feed-line be exact on short beams or shortened antennas as the feedline is a part of the matching system. Even on "heavy-duty" coax, "hot spots" will show up especially around the connectors or couplings where RF has a chance to leak out.

Damaged Co-ax will show up on receiving by loss of signal, in some cases, noisy reception. Discoloration of the braid will show that "hot spots" were present. Check your transmission line by "feel" (with rig off) or feel the out-put condensers of the Pi-NET — if they are unusually warm, go further in your investigation. This "FEEL" method is not safe practice unless you PULL THE FUSES or disconnect the power input.

We don't want to print any obituaries of some good Minnesota MARS member. — Check your SWR nevertheless. (From Minn. MARS)